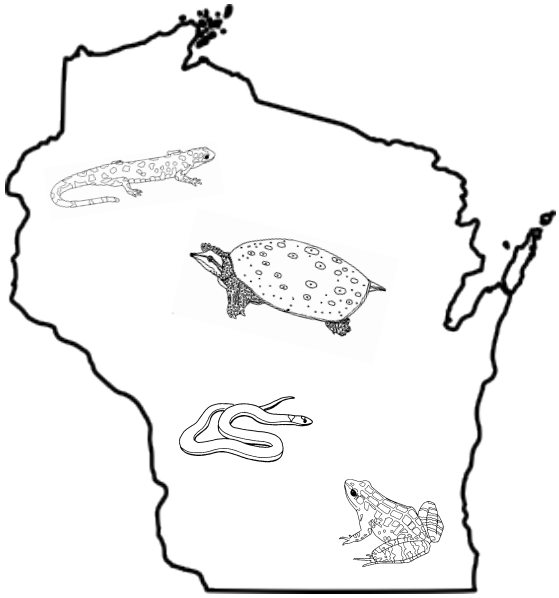
Wisconsin Herpetology, 2001-2010



A Bibliography with Taxonomic, Geographic, and Subject Indices

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Summary: This report lists popular and technical articles and books that deal with aspects of Wisconsin's native amphibians and reptiles. It updates previous Wisconsin-specific listings and is intended to be inclusive for the period January 2001 through December 2010. Some entrees refer to physiological, morphological, taxonomic, or other studies in which specimens collected in Wisconsin were used. All contribute to our understanding of the state's biological diversity. Indices cross-reference the entries by taxonomy (species), geography (county), and general subject. Parasite species and specific pollutants are listed in the subject index. Relevant accounts published in the Society for the Study of Amphibians and Reptiles' *Catalogue of American Amphibians and Reptiles* since previous Wisconsin bibliographies appeared are identified and listed separately. Finally, an appendix provides URLs for relevant Internet web sites.

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Cover Illustrations: Pickerel frog, tiger salamander, spiny softshell turtle, and ring-necked snake. Source: Arthur's Free Clipart, www.arthursclipart.org.

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Wisconsin Herpetology,

2001-2010

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December 2013

The scientific literature provides the cumulative, permanent record of scientific research that can be consulted to learn about research in a field. Because science is ongoing and builds on itself, scientists often consult the scientific literature in order to figure out what is already known about a particular topic and to keep up with new ideas and findings in their fields.

- *Understanding Science: How Science Really Works*
  http://undsci.berkeley.edu/

1. Introduction

Understanding what species occur in a particular area, as well as their phylogenetic relationships, geographic distributions, and life history and ecological traits, is an important part of conservation practice. Accessing this information for amphibians and reptiles can prove challenging, however, even with the availability of modern electronic and online bibliographical indexing and abstracting services. Thus, organized listings of applicable references can aid local researchers and managers in broaching such topics more efficiently.

The present contribution updates two previous Wisconsin-specific listings[1] and an online version that combined those earlier reports into a single reference[2]. It is intended to be inclusive for the period January 2001 through December 2010, and includes both popular and technical articles that deal with all aspects of Wisconsin's native amphibians and reptiles. Some entrees refer to physiological, morphological, taxonomic, or other studies in which specimens from Wisconsin were used. All contribute to our understanding of the state's biological diversity.

2. Methods and Organization of the Bibliography

Citations came from a variety of sources. I scanned all issues of important herpetology journals (i.e. *Applied Herpetology*, *Bulletin of the Chicago Herpetological Society*, *Bulletin of the Maryland Herpetological Society, Chelonian Conservation and Biology*, *Copeia*, *Herpetologica*, *Herpetological Conservation and Biology*, *Herpetological Monographs*, *Herpetological Natural History*, *Herpetological Review*, *Journal of Herpetology*, *Journal of Kansas Herpetology*) published between 2001 and 2010 to identify papers and notes related to Wisconsin amphibians and reptiles. Wisconsin-specific publications (e.g., *Wisconsin Natural Resources*, *Transactions of the Wisconsin Academy of Science, Arts and Letters*) were also reviewed for relevant articles. I searched various electronic databases (*Biological Abstracts*, *Zoological Record*, *Web of Science*, etc.) and *Google Scholar* for the names of Wisconsin herpetologists and various combinations of taxonomic and subject terms. I also scanned the Center for North American Herpetology's online PDF library[3] for titles that might cover Wisconsin or involve Wisconsin specimens. I then reviewed the works cited in each source found for additional likely references. Finally, I requested review and assistance from participants in the newly formed Wisconsin chapter of the Partners for Amphibian and Reptile Conservation (PARC).

Entrees appear alphabetically by author in a standard bibliographical format (Section 4). Junior authors are listed alphabetically and are cross-referenced to senior authors. Listed items include scholarly books, journal articles, and

[1] Dlutkowski, L.A., P. Cochran, and M.J. Mossman. 1987. Bibliography of Wisconsin herpetology. *Wisconsin Endangered Resources Report* (28):1-17, and Watermolen, D.J. 1992. Wisconsin herpetology: a bibliographical update with taxonomic, subject and geographic indices. *Wisconsin Endangered Resources Report* (87):1-15.

[2] Casper, G.S. and D.J. Watermolen. Wisconsin Online Herptile Bibliography. University of Wisconsin-Milwaukee Field Station, http://www4.uwm.edu/fieldstation/herpetology/Bibframe.html.

[3] Center for North American Herpetology, http://www.cnah.org/.

magazine features, as well as "gray" literature (i.e. museum, zoo, and government agency reports and unpublished academic theses and dissertations). I have not inventoried abstracts from conference proceedings, editorial letters, or newspaper articles (although, such items can be useful in understanding historical distributions, documenting interesting life history observations, etc.). The earlier Wisconsin bibliographies do not include regional (e.g., Great Lakes region, Upper Midwest, eastern U.S.) works or the standard references that address the entire North American herptile fauna. Nonetheless, the current listing includes several of these types of books as they contain valuable information on Wisconsin species and place that information in a broader context. I also list commercially available media products (CDs, DVDs). Some entrees include brief annotations, particularly when titles are obscure or the Wisconsin connection may not be immediately clear. Indices cross-reference the entries by taxonomy (species), geography (county), and subject (Sections 5-7, respectively). I list parasite species and specific pollutants in the subject index under the applicable headings. The appendix in Section 8 lists relevant taxa accounts published in the Society for the Study of Amphibians and Reptiles' *Catalogue of American Amphibians and Reptiles*. Finally, a second appendix (Section 9) lists relevant internet web sites.

This bibliography began as a working reference list to support my own studies of Wisconsin amphibians and reptiles. The compilation is exhaustive, but likely not complete. References may have escaped notice or have been inadvertently left out of the listing. I have attempted to ensure the accuracy of the bibliographical entries; however, users will want to check citations against actual references to avoid perpetuating any errors that may have crept into my listing. Internet addresses were functional at the time of publication. Additions and corrections can be sent to me at the address listed on the title page or via email to Dreux.Watermolen@Wisconsin.gov. Such contributions will be acknowledged in any future editions of the bibliography.

3. Acknowledgments

This bibliography is possible because of the scientific, conservation, and educational contributions of numerous scientists, resource managers, naturalists, and amateur enthusiasts who have taken the time to document and publish their observations, survey results, and research findings. Science wouldn't advance if it were not for efforts like theirs. To these individuals, I am grateful.

Over the years, Tara Bergeson, Robert Hay (retired), and Rori Paloski, Bureau of Natural Heritage Conservation, shared numerous papers and made me aware of various published works. I appreciate receiving additional citations and suggestions from Craig Berg, Milwaukee County Zoo, and Gary Casper, University of Wisconsin-Milwaukee Field Station. Their contributions helped insure that references that may have otherwise been overlooked were included in the listing. I appreciate their willingness to share.

Clip art used throughout this document comes from the online source "Arthur's Free Clipart" (www.arthursclipart.org).

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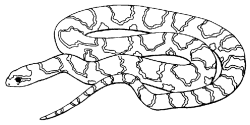
5. Taxonomic Index

This section indexes bibliographical entries by species. Nomenclature follows that used by Casper and Anton (2013)[4]. Works address 47 of Wisconsin's 57 species, as well as two non-native taxa erroneously reported from the state.



Caudata (Urodela) – Salamanders

Ambystoma laterale – Bolek and Coggins 2003, Cochran 2001, Cochran, P.A. and Cochran 2001, Muehlfeld et al. 2008, and Yoder and Coggins 2007.

Ambystoma maculatum – Cochran, A.G. and Cochran 2001, Kapfer and Muehlfeld 2006, Kuzmin et al. 2001, and Zamudio and Savage 2003.

Ambystoma tigrinum – Church et al. 2003, and Kapfer and Jones 2002.

Hemidactylium scutatum – Casper and Kirk 2001, Cochran 2001, Price 2001, Price and Jaskula 2002, Price and Jaskula 2005, Price and Jaskula 2005, Rossman and Rossman 2001, and Wild 2007.

Necturus maculosus – Cochran et al. 2002, and Fassbender and Watermolen 2002.

Notophthalmus viridescens – Casper 2001, and Yoder and Coggins 2007.

Multiple Wisconsin Species – Bartlett and Bartlett 2006, Casper 2003, Casper 2004, Casper 2007, Casper 2008, Casper 2008, Casper et al. 2005, Christoffel et al. 2001, Christoffel et al. 2009, Gallant et al. 2007, Hecnar 2004, Hecnar et al. 2002, Kapfer 2006, Kapfer and Muehlfeld 2006, Lannoo 2005, Leitner et al. 2008, Parmelee et al. 2002, Rodenhouse et al. 2009, Sadinski and Roth 2009, Sheldon 2006, Tekiela 2004, Watermolen and Murrell 2001, and Wisconsin DNR 2005.

Anura – Frogs and Toads

Acris blanchardi – Gamble et al. 2008, Gray and Brown 2005, Irwin 2005, and Sadinski et al. 2010.

Anaxyrus americanus – Allran and Karasov 2001, Bolek and Coggins 2002, Bolek and Coggins 2003, Bolek and Janovy 2005, Bolen 2003, Brazner et al. 2007, Brazner et al. 2007, Cochran 2008, Holman 2001, Holman 2003, Nedland et al. 2007, Paloski 2006, Paloski 2008, Price et al. 2004, Sadinski et al. 2010, Trenham et al. 2003, and Yoder and Coggins 2007.

Hyla chrysoscelis – Bolek and Janovy 2005, Carpenter 2006, Korb 2009, Paloski 2006, Paloski 2008, Sadinski et al. 2010, and Trenham et al. 2003.

[4] Casper, G.S. and T.G. Anton. 2013. *Current Scientific and Standard Common Names of Wisconsin Amphibians and Reptiles*. Miscellaneous Publication PUB-SS-1121. Bureau of Science Services, Wisconsin Department of Natural Resources, Madison.

Hyla versicolor – Brazner et al. 2007, Brazner et al. 2007, Carpenter 2006, Kapfer et al. 2008, Korb 2009, Nedland et al. 2007, Paloski 2006, Paloski 2008, Price et al. 2004, Trainor et al. 2003, Sadinski et al. 2010, and Trenham et al. 2003.

Lithobates catesbeianus – Austin et al. 2004, Austin and Zamudio 2008, Bolek and Janovy 2007, Henning and Remsburg 2009, Maslow et al. 2002, and Sadinski et al. 2010.

Lithobates clamitans – Austin and Zamudio 2008, Bolek and Coggins 2001, Bolek et al. 2009, Brazner et al. 2007, Brazner et al. 2007, Diamond et al. 2002, Green et al. 2002, Henning and Remsburg 2009, Johnson et al. 2007, Jung et al. 2004, Karasov et al. 2005, Nedland et al. 2007, Paloski 2006, Paloski 2008, Price et al. 2004, Sadinski et al. 2010, Trenham et al. 2003, Woodford and Meyer 2003, and Yoder et al. 2001.

Lithobates pipiens – Allran and Karasov 2001, Ankley et al. 2002, Bolek and Coggins 2003, Bolek et al. 2009, Chen 2006, Chen et al. 2006, Chen et al. 2007, Chen et al. 2009, Coyle and Karasov 2010, Diamond et al. 2002, Duszynski et al. 2007, Edblom 2001, Gross et al. 2007, Gross et al. 2009, Hayes et al. 2003, Hoffman and Blouin 2004, Holman 2001, Huang et al. 2001, Huang et al. 2007, Jofre´ and Karasov 2008, Karasov et al. 2005, Koch 2001, Matyka et al. 2002, Nedland et al. 2007, Olson 2010, Paloski 2006, Paloski 2008, Peterson et al. 2002, Sadinski et al. 2010, and Trenham et al. 2003.

Lithobates septentrionalis – Diamond et al. 2002, Price et al. 2007, and Sadinski et al. 2010.

Lithobates sylvaticus – Allran and Karasov 2001, Kapfer and Muehlfeld 2006, Lee-Yaw et al. 2008, Nedland et al. 2007, Paloski 2008, Sadinski et al. 2010, Trenham et al. 2003, and Yoder and Coggins 2007.

Pseudacris crucifer – Austin et al. 2002, Austin et al. 2004, Brazner et al. 2007, Brazner et al. 2007, Carpenter 2002, Casper 2001, Kapfer and Muehlfeld 2006, Nedland et al. 2007, Paloski 2008, Price et al. 2004, Price et al. 2007, Saeland and Doperalski 2001, Saeland and Doperalski 2002, Trenham et al. 2003, and Yoder and Coggins 2007.

Pseudacris maculata – Lemmon et al. 2007.

Pseudacris triseriata – Lemmon et al. 2007, Paloski 2006, Paloski 2008, Price et al. 2004, Sadinski et al. 2010, and Trenham et al. 2003.

Multiple Wisconsin Species – Bartlett and Bartlett 2006, Bowen and Beever 2010, Brazner et al. 2007, Brazner et al. 2007, Casper 2003, Casper 2004, Casper 2007, Casper 2008, Casper 2008, Casper et al. 2005, Christoffel et al. 2001, Christoffel et al. 2009, Dodson 2008, Elliott et al. 2009, Gallant et al. 2007, Hecnar 2004, Hecnar et al. 2002, Kapfer 2006, Kapfer and Muehlfeld 2006, Korb 2001, Korb 2009, Lannoo 2005, Leitner et al. 2008, McGrath 2002, Muths et al. 2005, Parmelee et al. 2002, Price et al. 2007, Rodenhouse et al. 2009, Sadinski and Roth 2009, Sheldon 2006, Tekiela 2004, Watermolen and Murrell 2001, Weir and Mossman 2005, and Wisconsin DNR 2005.

Testudines – Turtles

Apalone mutica – Muehlfeld and Kapfer 2009, Watermolen 2004, and Weisrock and Janzen 2000.

Apalone spinifera – Casper 2001, Cochran 2001, Watermolen 2004, and Weisrock and Janzen 2000.

Chelydra serpentina – AlKindi et al. 2006, Bolek 2001, Ewert et al. 2007, Janzen 2008, Kenow et al. 2009, Mahmoud and Alkindi 2008, Mahmoud et al. 2004, and Moll and Iverson 2008.

Chrysemys picta – Duggan et al. 2001, Ewert et al. 2007, Reese et al. 2004, Starkey et al. 2003, and Weller et al. 2010.

Emydoidea blandingii – Bolek 2001, Carpenter 2001, Casper et al. 2007, Congdon and Keinath 2006, Hartwig 2004, Rubin et al. 2001, Schuler and Thiel 2008, Semlitsch and Brodie 2003, and Thiel and Wilder 2010.

Glyptemys insculpta – Amato et al. 2008, Bowen and Gillingham 2004, and Cochran 2001.

Graptemys geographica – Reese et al. 2001.

Sternotherus odoratus – Ewert 2005, Ewert et al. 2007, Iverson and Meshaka 2006, and Surendonk and Kapfer 2008.

Terrapene ornata – Anonymous 2003, Kolker 2008, and Redder et al. 2006.

Multiple Wisconsin Species – Bartlett and Bartlett 2006, Casper 2003, Casper 2004, Casper 2007, Casper 2008, Casper 2008, Christoffel et al. 2002, Ernst and Lovich 2009, Hecnar et al. 2002, Kapfer 2006, Kapfer and Muehlfeld 2006, Leitner et al. 2008, Moriarty 2004, Sadinski and Roth 2009, Sheldon 2006, Tekiela 2004, Watermolen and Murrell 2001, and Wisconsin DNR 2005.

Sauria (Lacertilia) – Lizards

Aspidoscelis sexlineata – Kapfer and Pauers 2006.

Plestiodon fasciatus – Casper and Burnham 2001, Cochran 2008, Howes et al. 2006, Walley and Rozelle 2004, and Walley and Rozelle 2004.

Plestiodon septentrionalis – Chochran 2008, Fuerst and Austin 2004, and Orlofske and Anderson 2005.

Multiple Wisconsin Species – Bartlett and Bartlett 2006, Casper 2003, Casper 2004, Casper 2008, Christoffel et al. 2002, Hecnar et al. 2002, Sadinski and Roth 2009, Sheldon 2006, Tekiela 2004, VanDeWalle 2010, Watermolen and Murrell 2001, and Wisconsin DNR 2005.

Serpentes – Snakes

Coluber constrictor – Maslow et al. 2002.

Crotalus horridus – Allsteadt et al. 2006, Bartz and Sajdak 2004, Clark et al. 2003, Cochran 2010, Hubbs and O'Connor 2009, and Maslow et al. 2002.

Diadophis punctatus – Casper and Burnham 2001, and Wilder et al. 2009.

Heterodon platirhinos – Becker et al. 2009, Edgren 2001, Koch 2009, and Maslow et al. 2002.

Lampropeltis triangulum – Cochran 2001, Holman 2001, and Maslow et al. 2002.

Nerodia sipedon – Alfaro and Arnold 2001, Kapfer et al. 2009, Maslow et al. 2002, and Semlitsch and Brodie 2003.

Pantherophis spiloides – Burbrink 2001, Collins and Taggart 2008, and Maslow et al. 2002.

Pantherophis vulpinus – Casper and Burnham 2001, Collins and Taggart 2008, Holman 2001, Kenow et al. 2009, Maslow et al. 2002, Walley and Walley 2004, and Walley and Walley 2004.

Pituophis catenifer – Bauer et al. 2010, Collins and Taggart 2008, Kapfer, J. 2007, Kapfer, J.M. 2007, Kapfer 2009, Kapfer and Benell 2005, Kapfer et al 2008, Kapfer et al 2008, Kapfer et al 2008, Kapfer et al 2008, Kapfer et al. 2009, Kapfer et al 2010, and Maslow et al. 2002.

Regina septemvittata – Alfaro and Arnold 2001, and Kapfer et al 2009.

Sistrurus catenatus – Casper et al. 2001, Durbian et al. 2008, Holycross and Mackessy 2002, Hubbs and O'Connor 2009, King et al. 2004, Kolker 2007, Kolker 2008, and Maslow et al. 2002.

Storeria dekayi – Alfaro and Arnold 2001, and Cochran, A.G. et al. 2001.

Storeria occipitomaculata – Alfaro and Arnold 2001, Casper, P.A. 2001, and Cochran, J.A. et al. 2006.

Thamnophis butleri – Albright 2001, Alfaro and Arnold 2001, Fitzpatrick et al. 2008, Hileman 2010, Joppa et al. 2010, Joppa and Temple 2005, Kolker 2007, and Walley et al. 2005.

Thamnophis proximus – Alfaro and Arnold 2001.

Thamnophis radix – Alfaro and Arnold 2001, Fitzpatrick et al. 2008, Walley and Walley 2004, and Walley and Walley 2004.

Thamnophis sirtalis – Bolen 2003, Clesson et al. 2002, Holman 2001, Joppa et al. 2010, Maslow et al. 2002, and Placyk et al. 2007.

Multiple Wisconsin Species – Bartlett and Bartlett 2006, Casper 2003, Casper 2004, Casper 2007, Casper 2008, Casper 2008, Christoffel et al. 2008, Ernst and Ernst 2003, Hecnar et al. 2002, Kapfer 2006, Kapfer and Muehlfeld 2006, Leitner et al. 2008, MacGowan and Kingsbury 2004, Rossi and Rossi 2003, Sadinski and Roth 2009, Sheldon 2006, Tekiela 2004, VanDeWalle 2010, Watermolen and Murrell 2001, and Wisconsin DNR 2005.

Non-native Species

Agkistrodon contortrix – Cochran 2008.

Crotalus atrox – Cochran 2008.

Notes

Notes

6. Geographic Index

This section indexes bibliographical entries by Wisconsin county. Only those papers with specified collection sites or otherwise discernible locations included in their text are indexed. Work is reported from 53 of Wisconsin's 72 counties.

Adams – Kapfer et al. 2009.

Ashland – Bowen and Beever 2010, Casper 2008, and Cochran, P.A. et al. 2002.

Bayfield – Austin and Zamudio 2008, Casper 2004, Kuzmin et al. 2001, Lemmon et al. 2007, Placyk et al. 2007, Sadinski et al. 2010, Sadinski and Roth 2009, Weller et al. 2010, and Zamudio and Savage 2003.

Brown – Allran and Karasov 2001, Chen 2006, Chen et al. 2006, Chen et al. 2007, Edblom 2001, Hayes et al. 2003, Jofre´ and Karasov 2008, Jung et al. 2004, Karasov et al. 2005, Koch 2001, Korb 2001, Matyka et al. 2002, and Price et al. 2004.

Buffalo – Allsteadt et al. 2006, Becker et al. 2009, Cochran 2001, Cochran 2008, and Sadinski et al. 2010.

Burnett – Sadinski et al. 2010.

Calumet – Korb 2001.

Crawford – Bartz and Sajdak 2004, Burbrink 2001, Casper 2001, Placyk et al. 2007, Sadinski et al. 2010, Walley and Rozelle 2004, Walley and Rozelle 2004, Walley and Walley 2004, Walley and Walley 2004, Walley and Walley 2004, and Walley and Walley 2004.

Dane – Allran and Karasov 2001, Allsteadt et al. 2006, Austin et al. 2002, Austin et al. 2004, Church et al. 2003, Dodson 2008, Fitzpatrick et al. 2008, Irwin 2005, Korb 2001, Muehlfeld and Kapfer 2009, and Trainor et al. 2003.

Dodge – Casper 2001.

Door – Fassbender and Watermolen 2002, Price 2001, Price et al. 2004, Price and Jaskula 2002, Price and Jaskula 2005, and Price and Jaskula 2005.

Douglas – Ankley et al. 2002, and Sadinski et al. 2010.

Eau Claire – Fuerst and Austin 2004.

Grant – Allsteadt et al. 2006, Burbrink 2001, and Sadinski et al. 2010.

Iowa – Allsteadt et al. 2006, Burbrink 2001, Gamble et al. 2008, Holman 2001, Homan 2003, and Sadinski et al. 2010.

Iron – Wild 2007.

Jackson – Casper and Burnham 2001, Casper and Kirk 2001, Cochran 2001, Cochran, A.G. and Cochran 2001, Cochran, P.A. and Cochran 2001, and Cochran, A.G. et al. 2001.

Jefferson – Kapfer et al. 2008.

Juneau – Durbian et al. 2008, King et al. 2004, and Rossman and Rossman 2001.

Kenosha – Barghusen 2006, Fitzpatrick et al. 2008, Hoffman and Blouin 2004 (?), and Price et al. 2004.

Kewaunee – Price et al. 2004, Saeland and Doperalski 2001, and Saeland and Doperalski 2002.

La Crosse – Allsteadt et al. 2006, Bolen 2003, Burbrink 2001, Kenow et al. 2009, Reese et al. 2001, Reese et al. 2004, and Sadinski et al. 2010.

Lafayette – Gamble et al. 2008, and Sadinski et al. 2010.

Manitowoc – Nedland et al. 2007, Price et al. 2004, and Surendonk and Kapfer 2008.

Marinette – Cochran 2008, Placyk et al. 2007, and Price et al. 2004.

Marquette – Casper 2001, and Casper 2001.

Milwaukee – Alfaro and Arnold 2001, Bolek 2001, Casper 2008, Fitzpatrick et al. 2008, Joppa et al. 2010, Joppa and Temple 2005, Korb 2001, Leitner et al. 2008, and Maslow et al. 2002.

Monroe – Casper and Burnham 2001, Durbian et al. 2008, Howes et al. 2006, Thiel and Wilder 2010, and Wilder et al. 2009.

Oconto – Cochran 2001, Ewert et al. 2007, and Price et al. 2004.

Oneida – Woodford and Meyer 2003.

Outagamie – Cochran 2001, Karasov et al. 2005, and Korb 2001.

Ozaukee – Bolek and Janovy 2004, Casper 2007, Casper et al. 2007, Fitzpatrick et al. 2008, Joppa et al. 2010, Joppa and Temple 2005, Kapfer 2006, Kapfer and Muehlfeld 2006, Walley et al. 2005, Yoder and Coggins 2007, and Yoder et al. 2001.

Pepin – Bauer et al. 2010, and Clark et al. 2003.

Pierce – Clark et al. 2003, and Sadinski and Roth 2009.

Polk – Howes et al. 2006, and Sadinski et al. 2010.

Portage – Kapfer and Muehlfeld 2006, Orlofske and Anderson 2005, Paloski 2006, Paloski 2008, and Placyk et al. 2007.

Price – Casper and Burnham 2001.

Racine – Barghusen 2006, Bolek 2001, Collins and Taggart 2008 (references type specimen from here), and Fitzpatrick et al. 2008.

Richland – Burbrink 2001, Muehlfeld et al. 2008, and Watermolen 2004.

Rock – Kapfer et al 2009.

St. Croix – Casper 2004, Korb 2009, Lemmon et al. 2007, Sadinski et al. 2010, and Sadinski and Roth 2009.

Sauk – Allsteadt et al. 2006, Burbrink 2001, Kapfer 2007, Kapfer 2009, Kapfer and Benell 2005, Kapfer and Pauers 2006, Kapfer et al 2008, Kapfer et al 2008, Kapfer et al 2008, Kapfer et al. 2009, Kapfer et al 2010, Koch 2009, Trainor et al. 2003, and Watermolen 2004.

Sawyer – Casper and Kirk 2001, Olson 2010, and Sadinski et al. 2010.

Sheboygan – Fitzpatrick et al. 2008, Price et al. 2004, and Zamudio and Savage 2003.

Trempeleau – Cochran 2008, Kapfer et al 2008, and Kenow et al. 2009.

Vernon – Allsteadt et al. 2006, Cochran, J.A. et al. 2006, Cochran 2008, Kenow et al. 2009, Sadinski et al. 2010, and Weisrock and Janzen 2000.

Vilas – Casper 2001, Henning and Remsburg 2009, and Woodford and Meyer 2003.

Walworth – Barghusen 2006, and Fitzpatrick et al. 2008.

Washburn – Sadinski et al. 2010.

Washington – Barghusen 2006, Ewert 2005, Fitzpatrick et al. 2008, Joppa et al. 2010, and Joppa and Temple 2005.

Waukesha – Bolek 2001, Bolek and Coggins 2001, Bolek and Coggins 2002, Bolek and Coggins 2003, Bolek and Janovy 2005, Bolek and Janovy 2007, Bolek et al. 2009, Fitzpatrick et al. 2008, Joppa et al. 2010, Joppa and Temple 2005, Koch 2009, Korb 2001, and Placyk et al. 2007.

Waupaca – Clesson et al. 2002.

Winnebago – Carpenter 2001, Karasov et al. 2005, and Korb 2001.

Wood – Austin et al. 2002, Austin et al. 2004, Cochran 2008, Lemmon et al. 2007, Rubin et al. 2001, Schuler and Thiel 2008, and Thiel and Wilder 2010.

Notes

7. Subject Index

This section indexes bibliographical entries by broad subject area. I assigned references to topical categories based on my interpretation of primary subject matter. Some references are listed under multiple subjects.

Age Determination – Clesson et al. 2002.

Amphibian Declines – Allran and Karasov 2001, Gray and Brown 2005, Hayes et al. 2002, Hayes et al. 2003, Henning and Remsburg 2009, Irwin 2005, Johnson et al. 2007, Linder et al. 2003, and Muths et al. 2005.

Anuran Calls – Anonymous 2003, Brazner et al. 2007, Brazner et al. 2007, Elliott et al. 2009, Korb 2001, Korb 2009, McGrath 2002, Muths et al. 2005, Tekiela 2004, Trainor et al. 2003, and Trenham et al. 2003.

Behavior & Ethology – Albright 2001, Allran and Karasov 2001, Bartz and Sajdak 2004, Chen 2006, Chen et al. 2006, Chen et al. 2009, Clesson et al. 2002, Cochran 2008, Cochran 2008, Iverson and Meshaka 2006, Kapfer et al. 2008, Kapfer et al. 2009, Kapfer and Muehlfeld 2006, Kapfer and Pauers 2006, King et al. 2004, Koch 2009, Olson 2010, and Trainor et al. 2003.

Book Reviews, Bibliographies, etc. – Anonymous 2002, Anonymous 2003, Anonymous 2003, Barten 2003, Cochran 2002, Cochran 2007, Cook 2003, Cook 2003, Villa 2003, and Walley 2003.

Captive Husbandry, Headstarting Programs, etc. – Anonymous 2003, Kapfer and Jones 2002, Kolker 2008, Kolker 2008, Maslow et al. 2002, and Rossi and Rossi 2003. (Also see “Techniques”.)

Checklists, Inventories, Species Assemblages, etc. – Bowen and Beever 2010, Casper 2007, Casper 2008, Cochran 2001, Dodson 2008, Kapfer 2006, Kapfer and Muehlfeld 2006, Leitner et al. 2008, MacGowan and Kingsbury 2004, and Watermolen & Murrell 2001.

Coloration – Allsteadt et al. 2006, and Weller et al. 2010.

Conservation & Conservation Implications – Amato et al. 2008, Anonymous 2003, Barghusen 2006, Bowen and Gillingham 2004, Brazner et al. 2007, Brazner et al. 2007, Casper 2008, Casper et al. 2005, Clark et al. 2003, Congdon and Keinath 2006, Dodson 2008, Fitzpatrick et al. 2008, Fuerst and Austin 2004, Gallant et al. 2007, Hayes et al. 2002, Hayes et al. 2003, Hecnar 2004, Henning and Remsburg 2009, Iverson and Meshaka 2006, Johnson et al. 2007, Joppa and Temple 2005, Kapfer et al 2008, Kapfer et al 2008, King et al. 2004, Kolker 2007, Kolker 2008, Linder et al. 2003, Muths et al. 2005, Paloski 2006, Paloski 2008, Price et al. 2004, Redder et al. 2006, Rodenhouse et al. 2009, Rubin et al. 2001, Semlitsch and Brodie 2003, Trenham et al. 2003, Walley et al. 2005, Wisconsin DNR 2005, and Woodford and Meyer 2003.

Deformities – see “Malformations”.

Diet – see “Food/Diet, Foraging, & Feeding Habits”.

Disease – see “Parasites & Diseases”.

Ecology – Bowen and Gillingham 2004, Brazner et al. 2007, Brazner et al. 2007, Congdon and Keinath 2006, Durbian et al. 2008, Henning and Remsburg 2009, Iverson and Meshaka 2006, Johnson et al. 2007, Kapfer 2007, Kapfer et al. 2008, Kapfer et al. 2008, Kapfer and Pauers 2006, Linder at al. 2003, Moll and Iverson 2008, Price et al. 2004, and Redder et al. 2006.

Eggs – see “Reproduction, Eggs, and Larvae”.

Field Guides, Guide Books, etc. – Bartlett and Bartlett 2006, Christoffel et al. 2001, Christoffel et al. 2002, Christoffel et al. 2008, Christoffel et al. 2009, Elliott et al. 2009, Ernst and Ernst 2003, Ernst and Lovich 2009, Hubbs and O’Connor 2009, Korb 2001, McGrath 2002, Moriarty 2004, Parmelee et al. 2002, Rossi and Rossi 2003, Sheldon 2006, Tekiela 2004, and VanDeWalle 2010.

Food/Diet, Foraging, & Feeding Habits – Bolek and Coggins 2001, Bolek and Janovy 2007, Cochran 2008, Holycross and Mackessy 2002, and Kenow et al. 2009.

Fossils & Paleontology – Holman 2001, Holman 2003; also see “Taxonomy, Systematics, & Phylogenetics”.

Genetics – see “Taxonomy, Systematics, & Phylogenetics”.

Geographic Distribution – Amato et al. 2008, Bauer et al. 2010, Becker et al. 2009, Bowen and Beever 2010, Brazner et al. 2007, Brazner et al. 2007, Casper 2001, Casper 2001, Casper 2001, Casper 2001, Casper 2003, Casper 2008, Casper and Burnham 2001, Casper and Burnham 2001, Casper and Burnham 2001, Casper and Kirk 2001, Casper et al. 2007, Clark et al. 2003, Cochran 2008, Cochran, A.G. and Cochran 2001, Cochran, A.G. et al. 2001, Cochran, J.A. et al 2006, Cochran, P.A. and Cochran 2001, Cochran, P.A. et al. 2002, Edgren 2001, Ewert et al. 2007, Gallant et al. 2007, Gamble et al. 2008, Hecnar 2004, Hecnar et al. 2002, Hoffman and Blowin 2004, Kapfer et al. 2008, Kapfer et al 2008, Kapfer et al 2009, Kapfer et al. 2009, Lee-Yaw et al. 2008, Leitner et al. 2008, Lemmon et al. 2007, Muehlfeld et al. 2008, Muehlfeld and Kapfer 2009, Orlofske and Anderson 2005, Placyk et al. 2007, Price 2001, Price et al. 2004, Rossman and Rossman 2001, Saeland and Doperalski 2001, Saeland and Doperalski 2002, Sheldon 2006, Surendonk and Kapfer 2008, Walley and Rozelle 2004, Walley and Rozelle 2004, Walley and Walley 2004, Walley and Walley 2004, Walley and Walley 2004, Walley and Walley 2004, Wild 2007, Wilder et al. 2009, and Zamudio and Savage 2003. (Also see “Checklists, Inventories, Species Assemblages, etc.”)

Habitat – Barghusen 2006, Bauer et al. 2010, Brazner et al. 2007, Brazner et al. 2007, Cochran 2008, Dodson 2008, Durbian et al. 2008, Gallant et al. 2007, Hartwig 2004, Hecnar 2004, Henning and Remsburg 2009, Iverson and Meshaka 2006, Joppa and

Temple 2005, Kapfer 2007, Kapfer et al 2008, Kapfer et al 2008, Kapfer et al. 2009, Kapfer et al 2010, Kapfer and Pauers 2006, King et al. 2004, Linder at al. 2003, Nedland et al. 2007, Paloski 2006, Paloski 2008, Peterson et al. 2002, Price et al. 2004, Price et al. 2007, Price and Jaskula 2005, Rodenhouse et al. 2009, Sadinski and Roth 2009, Semlitsch and Brodie 2003, and Woodford and Meyer 2003.

Headstarting/Captive Rearing Programs – see "Captive Husbandry, Headstarting Programs, etc."

Hibernation – see "Temperature Relations, Thermal Biology, Hibernation, & Winter Activity".

Home Range, Movements, & Territoriality – Durbian et al. 2008, Kapfer 2007, Kapfer et al 2008, Kapfer et al 2010, Kapfer and Pauers 2006, King et al. 2004, and Schuler and Thiel 2008.

Husbandry – see "Captive Husbandry, Headstarting Programs, etc." and "Techniques".

Larvae – see "Reproduction, Eggs, & Larvae".

Malformations – Allran and Karasov 2001, Ankley et al. 2002, Chen et al. 2006, Chen et al. 2007, Diamond et al. 2002, Green et al. 2002, Hayes et al. 2002, Hayes et al. 2003, Johnson and Chase 2004, Johnson et al. 2007, and Sadinski and Roth 2009.

Morphology – AlKindi et al. 2006, Allsteadt et al. 2006, and Weller et al. 2010.

Mortality & Predation – Albright 2001, Bolek and Coggins 2002, Bolekj and Janovy 2004, Casper et al. 2005, Fassbender and Watermolen 2002, Green et al. 2002, Hileman 2010, Kapfer and Benell 2005, Kapfer et al. 2008, King et al. 2004, Walley et al. 2005, and Watermolen 2004.

Movements – see "Home Range, Movements, & Territoriality".

Natural History – Bartlett and Bartlett 2006, Bartlett and Bartlett 2006, Bartlett and Bartlett 2006, Bowen and Gillingham 2004, Carpenter 2001, Carpenter 2002, Carpenter 2006, Clesson et al. 2002, Congdon and Keinath 2006, Durbian et al. 2008, Elliott et al. 2009, Ernst and Ernst 2003, Ernst and Lovich 2009, Hubbs and O'Connor 2009, Iverson and Meshaka 2006, Kapfer 2007, Kassulke 2007, Korb 2001, Korb 2009, Korb 2009, MacGowan and Kingsbury 2004, Moll and Iverson 2008, Moriarty 2004, Redder et al. 2006, Rossi and Rossi 2003, Sheldon 2006, and Tekiela 2004.

Parasites & Diseases – Sadinski and Roth 2009.

Bacteria, Fungi, & Microorganisms

Batrachochytrium dendrobatidis – Ouellet et al. 2005, Sadinski et al. 2010, and Sadinski and Roth 2009.

Hyaloklossia lieberküehni – Duszynski et al. 2007.

Mycobacterium marinum – Maslow et al. 2002.

Salmonella – Centers for Disease Control and Prevention 2005, and Harris et al. 2009.

Trematoda (Flukes)
- *Alaria mustelae* - Yoder and Coggins 2007.
- *Clinostomum* sp. - Yoder et al. 2001.
- *Fibricola* sp. – Bolek and Coggins 2003.
- *Fibricola texensis* - Yoder and Coggins 2007.
- *Glypthelmins pennsylvaniensis* - Yoder and Coggins 2007.
- *Glypthelmins quieta* – Bolek and Coggins 2001, and Yoder et al. 2001.
- *Gorgoderina attenuata* – Bolek and Coggins 2003, and Bolek et al. 2009.
- *Gorgoderina bilobata* – Yoder and Coggins 2007, and Yoder et al. 2001.
- *Haematoloechus varioplexus* – Bolek and Coggins 2001, Bolek and Coggins 2003, Yoder and Coggins 2007, and Yoder et al. 2001.
- *Halipegus eccentricus* – Bolek and Coggins 2001, and Yoder et al. 2001.
- *Megalodiscus tempedratus* - Yoder et al. 2001.
- *Phyllodistomum americanum* – Yoder and Coggins 2007.
- *Ribeiroia ondatrae* – Johnson and Chase 2004, and Johnson et al. 2007.
- Diplostomid metacercariae – Bolek and Coggins 2001.
- Echinostomatid metacercariae – Bolek and Coggins 2003.
- Unidentified metacercariae – Bolek and Coggins 2001, Yoder and Coggins 2007, and Yoder et al. 2001.

Cestoda (Tapeworms)
- *Mesosestoides* sp. – Bolek and Coggins 2001, Bolek and Coggins 2003, Yoder and Coggins 2007, and Yoder et al. 2001.
- *Proteocephalus loennbergii* – Cochran, P.A. et al. 2002.
- *Proteocephalus* sp. – Yoder et al. 2001.
- Unidentified cestode – Bolek and Coggins 2001.

Nematoda (Roundworms)
- *Cosmocercoides variabilis* - Bolek and Coggins 2003, and Yoder and Coggins 2007.
- *Cosmocercoides* sp. – Bolek and Coggins 2001, Bolek and Coggins 2003, Yoder and Coggins 2007, and Yoder et al. 2001.
- *Falcaustra wardi* – Bolek 2001.
- *Oswaldocruzia pipiens* – Bolek and Coggins 2001, Bolek and Coggins 2003, Yoder and Coggins 2007, and Yoder et al. 2001.
- *Rhabdias ambystomae* – Kuzmin et al. 2001.
- *Rhabdias americanus* - Bolek and Coggins 2003, and Yoder and Coggins 2007.
- *Rhabdias ranae* – Yoder and Coggins 2007.
- *Spiroxys* sp. – Bolek and Coggins 2003
- *Spiroxys contortus* – Bolek 2001.
- *Waltonella* sp. – Bolek and Coggins 2001.
- Encysted nematode – Bolek and Coggins 2001, and Yoder and Coggins 2007.
- Larval nematode – Bolek and Coggins 2001.

Hirudinea (Leeches)
- *Desserobdella picta* – Bolek and Janovy 2005.
- *Placobdella ornata* – Bolek 2001.
- *Placobdella parasitica* – Bolek 2001.

Diptera (Flies)
- *Bufolucilia elongata* – Bolek and Janovy 2004.
- *Bufolucilia silvarum* – Bolek and Coggins 2002.

Phylogenetics – see “Taxonomy, Systematics, & Phylogenetics”.

Physiology – AlKindi et al. 2006, Clesson et al. 2002, Duggan et al. 2001, Huang et al. 2001, Huang et al. 2007, Mahmoud and Alkindi 2008, Mahmoud et al. 2004, Reese et al. 2001, and Reese et al. 2004.

Pollution & Disturbance Ecology – Brazner et al. 2007, Brazner et al. 2007, Dodson 2008, Koch 2001, Linder at al. 2003, Price et al. 2007, and Rodenhouse et al. 2009.

Eutrophication –Johnson and Chase 2004, and Johnson et al. 2007.

Metals – Chen 2006.
arsenic – Chen et al. 2009, and Karasov et al. 2005.
cadmium – Gross et al. 2007, Gross et al. 2009, Karasov et al. 2005, and Matyka et al. 2002.
chromium – Karasov et al. 2005.
copper – Chen et al. 2007, and Karasov et al. 2005.
lead – Chen et al. 2006, Karasov et al. 2005, and Matyka et al. 2002.
mercury – Karasov et al. 2005.

Organic Compounds – Jung et al. 2004, and Koch 2001.
atrazine – Allran and Karasov 2001, Hayes et al. 2002, and Hayes et al. 2003.
PBDE – Coyle and Karasov 2010.
PCBs – Edblom 2001, Huang et al. 2001, Huang et al. 2007, Jofre´ and Karasov 2008, and Karasov et al. 2005.
triazines – Sadinski and Roth 2009.

UV Radiation – Ankley et al. 2002, Diamond et al. 2002, Edblom 2001, and Peterson et al. 2002.

Population Biology & Population Trends – Casper 2008, Edgren 2001, Fuerst and Austin 2004, Gray and Brown 2005, Hileman 2010, Hoffman and Blouin 2004, Irwin 2005, Kapfer et al. 2008, Leitner et al. 2008, Rubin et al. 2001, Trenham et al. 2003, Weir and Mossman 2005, and Woodford and Meyer 2003.

Predation – see “Mortality & Predation”.

Reproduction, Eggs, & Larvae – Albright 2001, AlKindi et al. 2006, Allran and Karasov 2001, Anonymous 2003, Chen 2006, Chen et al. 2006, Clesson et al. 2002, Cochran 2010, Duggan et al. 2001, Ewert 2005, Hayes et al. 2002, Hayes et al. 2003, Janzen 2008, Jung et al. 2004, Kapfer and Muehlfeld 2006, King et al. 2004, Koch 2001, Mahmoud and Alkindi 2008, Mahmoud et al. 2004, Parmelee et al. 2002, Price and Jaskula 2005, and Sadinski and Roth 2009.

Size – Ewert 2005, Kapfer 2009, and Price and Jaskula 2002.

Species Assemblages – see “Checklists, Inventories, Species Assemblages, etc.”

Systematics – see “Taxonomy, Systematics, & Phylogenetics”.

Taxonomy, Systematics, & Phylogenetics – Albright 2001, Alfaro and Arnold 2001, Allsteadt et al. 2006, Amato et al. 2008, Austin et al. 2002, Austin et al. 2004, Austin and Zamudio 2008, Burbrink 2001, Casper 2008, Church et al. 2003, Clark et al. 2003, Collins and Taggart 2008, Fitzpatrick et al. 2008, Fuerst and Austin 2004, Gamble et al. 2008, Hoffman and Blouin 2004, Howes et al. 2006, Lee-Yaw et al. 2008, Lemmon et al. 2007, Placyk et al. 2007, Rubin et al. 2001, Starkey et al. 2003, Watermolen and Murrell 2001, Weisrock and Janzen 2000, Weller et al. 2010, and Zamudio and Savage 2003.

Techniques – Bowen and Beever 2010, Casper 2004, Casper et al. 2001, Casper et al. 2005, Droege and Eagle 2005, Joppa et al. 2010, Mazerolle et al. 2007, Muths et al. 2005, and Weir and Mossman 2005.

Temperature Relations, Thermal Biology, Hibernation, & Winter Activity – Irwin 2005, Joppa et al. 2010, Kapfer and Pauers 2006, Kapfer et al. 2008, King et al. 2004, Olson 2010, Reese et al. 2001, Reese et al. 2004, and Thiel and Wilder 2010.

Territoriality – see “Home Range, Movements, & Territoriality”.

Thermal Biology – see “Temperature Relations, Thermal Biology, Hibernation, & Winter Activity”.

Winter Activity – see “Temperature Relations, Thermal Biology, Hibernation, & Winter Activity”.

8. Appendix A: Catalogue Accounts

The original *Bibliography of Wisconsin Herpetology*[5] includes an appendix listing relevant accounts published in the Society for the Study of Amphibians and Reptiles' *Catalogue of American Amphibians and Reptiles*. These loose-leaf accounts cover amphibians and reptiles of the entire Western Hemisphere and are prepared by specialists. They include synonymy, definition, description, distribution maps, and comprehensive lists of literature for each taxon addressed. Recently published (2001-2010) accounts covering species found in Wisconsin are listed below.

Diaz-Lameiro, A.M., J.L. Herrera, D. Barber, R. Powell, and F. Bird-Pico. 2010. *Storeria. Catalogue of American Amphibians and Reptiles* 878:1-7.

Ernst, C.H. 2002. *Regina septemvittata* (Say 1825) Queen Snake. *Catalogue of American Amphibians and Reptiles* 757:1-5.

Ernst, C.H. 2002. *Storeria occipitomaculata* (Storer) Red-bellied Snake. *Catalogue of American Amphibians and Reptiles* 759:1-8.

Ernst, C.H., J.W. Gibbons and M.E. Dorcas. 2002. *Regina* Baird and Girard Crayfish Snakes. *Catalogue of American Amphibians and Reptiles* 756:1-4.

Ernst, C.H., J.M. Orr and T.R. Creque. 2003. *Carphophis amoenus*. *Catalogue of American Amphibians and Reptiles* 774:1-7.

Walley, H.D., T.L. Wusterbarth and K.M. Stanford. 2003. *Thamnophis radix*. *Catalogue of American Amphibians and Reptiles* 779:1-13.

[5] Dlutkowski, L.A., P. Cochran, and M.J. Mossman. 1987. Bibliography of Wisconsin herpetology. *Wisconsin Endangered Resources Report* (28):1-17.

Notes

9. Appendix B: Internet Web Sites

This section provides URL addresses for Internet web sites that include content relevant to the study and management of Wisconsin amphibians and reptiles. These addresses were functional at the time of publication.

Wisconsin DNR
Herps of Wisconsin: Amphibians and Reptiles
http://dnr.wi.gov/topic/WildlifeHabitat/herps.asp

Wisconsin Frog and Toad Survey
http://wiatri.net/inventory/frogtoadsurvey/WIfrogs/
YouTube video: http://www.youtube.com/watch?v=8Bo_M271vdQ

Wisconsin Turtle Conservation Program
http://wiatri.net/Inventory/WiTurtles/Turtles/

Wisconsin Citizen-based Monitoring Network: Frogs and Toads of Wisconsin
www.youtube.com/playlist?list=PL9D56BECB996C4012
(Short YouTube species profiles of frogs and toads found in Wisconsin.)

University of Wisconsin-Milwaukee Field Station
Wisconsin Herp Atlas Project
www4.uwm.edu/fieldstation/herpetology/atlas.html

Wisconsin Online Herptile Bibliography
www4.uwm.edu/fieldstation/herpetology/Bibframe.html

Association of Zoos and Aquariums
Frogs and Toads in Wisconsin
www.aza.org/frogs-in-wisconsin/

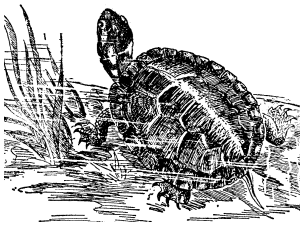
Reptiles and Amphibians of Wisconsin (photographs)
www.flickr.com/photos/jdeboer152/sets/72157606772681495/
(Flickr site with photographs of amphibians and reptiles found in Wisconsin.)

Wisconsin's Water Library for Kids
Story Time – Frogs Sounds
www.aqua.wisc.edu/waterlibrary/Default.aspx?tabid=315
(Short audio files of the calls of frogs and toads found in Wisconsin.)

U.S. Geological Survey Frog Quizes
https://www.pwrc.usgs.gov/Frogquiz/index.cfm?fuseaction=main.lookup&CFID=1219744&CFTOKEN=e7c2ccfc1a90a084-E79F83C8-E24A-ACF4-A729FD620EE31CD4

Partners for Amphibian and Reptile Conservation
www.parcplace.org/

Wisconsin PARC
http://wiparc.org/



About the Author

Dreux Watermolen is an ecologist who currently serves as the Chief of Science Information Services for the Wisconsin DNR. He is interested in the zoogeography, life history, and taxonomy of Wisconsin's rich biological diversity.

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- conducting applied research and acquiring original knowledge.
- analyzing new information and emerging technologies.
- synthesizing information for policy and management decisions.
- applying the scientific method to the solution of environmental and natural resources problems.
- providing science-based support services for management programs department-wide.
- collaborating with local, state, regional, and federal agencies and academic institutions in Wisconsin and around the world.